

BOON NOISE

CR-

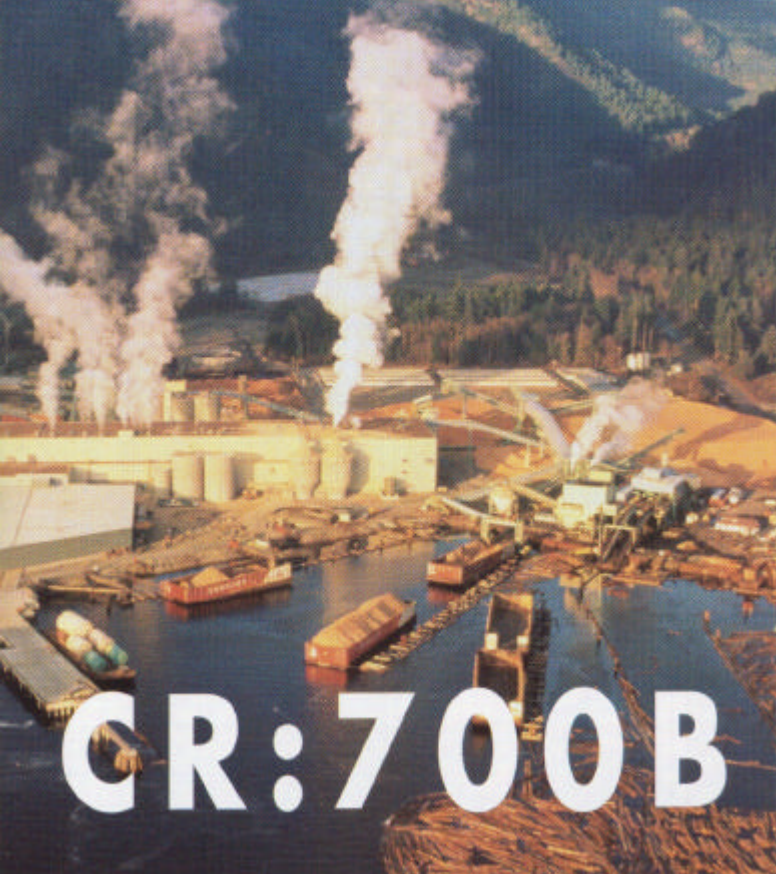
The CR:700B series is a range of high specification Data Logging Sound Level Meters and Personal Sound Exposure Meters designed to provide the functions needed by both the noise measurement professional and the occasional user.

The range comprises the CR:701B Type 2 Personal Sound Exposure Meter (dosimeter), and the CR:703B and CR:704B Dual Range Type 1 and Type 2 Data Logging Sound Level Meters. All of the measurements are built around the same core with all of the measurement functions available to all instruments. The three units are provided in different physical forms to meet the requirements of different measurement situations, and with the default measurements and keypads selected to suit the widest range of applications.

Features

- * Data Logging of measured functions
- * Event and Time History Data stored
- * User programmable functions and keypads
- * Independent C Weighted Peak Channel
- * Real Time Clock and Calendar
- * Multiple Simultaneous Integrators and Measurement
- * 700Setup Windows Software
- * Complete range of accessories and options available
- * Optional AC Output





CR:704 Dual Range Type 2

The CR:704B is a general purpose Sound Level Meter suitable for most noise measurement applications. The twin ranges allow the instrument to be used for both industrial and environmental noise applications, with the default measurement functions providing the most commonly used metrics. These instruments provide most parameters required by Industrial and Environmental measurements, including L_{eq} , SEL, L_{max} , Peak and L_n 's. In common with all of the CR:700B series instruments, all of the parameters can be reprogrammed and changed as required.

CR:701B Personal Sound Exposure Meter or Dosimeter

The CR:701B is an advanced Data Logging Personal Sound Exposure Meter (PSEM) or Dosimeter. The keypad functions and measured parameters have been chosen to support the requirements of occupational noise regulations and standards.



The case design of the CR:701B allows it to be carried either in a pocket or on a belt, with the microphone mounted close to the ear. The standard functions of the CR:701B include L_{eq} , $L_{ep,d}$, % Dose, Exposure in Pa^2hr , Peak (C) as well as many others. In common with all of the CR:700 series, in addition to Events, Time history data in

the form of Short L_{eq} sample can also be stored by the instrument. This allows specific occurrences within the event to be identified.

CR:703B Dual Range Type 1

The CR:703B provides the same measurement functions as the CR:704B but in a Type 1 instrument. The CR:703B also features an extended memory allowing the instrument to store 2,500 Events and 100,000 Short L_{eq} samples. A removable preamplifier is supplied as standard with the CR:703B and the default measurement range is 25 dB(A) to 125 dB(A) for SPL and L_{eq} measurements. This allows the CR:703B to be used for Environmental Noise Measurements, as well as precision Industrial noise. The CR:703B can also be used to form the data logging part of an outdoor measurement kit when used with an outdoor microphone and a suitable weatherproof case.





CR:700B

Specifications

Standards	IEC 60651, IEC 60804, ANSI S1.4 CR:701B and CR:704B Type 2 CR:703B Type 1		
Measurement Range	SPL & Leq	CR:701B	67-130 dB(A)
		CR:703B	25-125 dB(A)
		CR:704B	32-130 dB(A)
Peak	143 dB(C) for all instruments		
Weighting	A for SPL & L _{eq} , C for Peak		
Frequency	F (Fast), S (Slow), Short L _{eq}		
Time			
Measurement Storage	CR:701B	256 Events.	25,000 Short L _{eq}
	CR:703B	2500 Events.	100,000 Short L _{eq}
	CR:704B	256 Events.	25,000 Short L _{eq}
Display Type	3½ Digit LCD Display		
Display Functions	Defined by keypad functions		
Display Flags	Batt, Run, OL, %, dB, Pa ² h		
Power	9V 6F22 (NEDA 1604) External Power socket		
Temperature Operating	-10°C to +50°C		
Dimensions	CR:701B	150mm x 75mm x 25mm	
	CR:703B	255mm x 75mm x 25mm	
	CR:704B	225mm x 75mm x 25mm	
Weight	CR:701B	300g	
	CR:703B	450g	
	CR:704B	410g	
Output	RS232 via DIN Socket and supplied cable. Optional AC output		
Software Support	700Setup supplied as standard MS Windows		

NoiseMeters Limited

West End, Muston, North Yorks
YO14 0ES, England

Tel UK: 0845 680 0312

USA: 888-206-4377

Email: sales@noisemeters.com

Web: www.noisemeters.com